

Abstract

A piezoelectric actuator, for instance for actuating a mechanical component, is proposed that has a multilayer structure of piezoelectric layers and disposed between them inner electrodes (2, 3) and an alternate-side lateral contacting of the inner electrodes (2, 3) via outer electrodes (4, 5). The outer electrodes (4, 5) are applied in network- or fabric-like fashion, each distributed over one side face, and are contacted at least at some points to the respective inner electrodes (2, 3). The outer electrodes (4, 5) are lengthened past the multilayer structure of piezoelectric layers in such a way that the delivery of the electrical voltage takes place at the extensions (8, 9).

(Fig. 1)